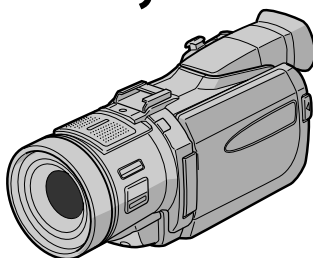


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SERVICE MANUAL


DIGITAL VIDEO CAMERA

GR-DV500Us, GR-DV800Us, GR-DV801Us, GR-DV900Us



Regarding service information other than these sections, refer to the service manual No. 86736 (GR-DV4000US). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DV500U, GR-DV800U and GR-DV900U.)*

Ccamcorder		For Digital Still Camera	
For General		Storage media	: SD Memory Card/MultiMediaCard
Power supply	: DC 11 V (Using AC Adapter) DC 7.2 V (Using battery pack)	Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
Power consumption		File size	
LCD monitor off, viewfinder on	: Approx. 3.7 W	Still image	: 4 modes (1600 x 1200 pixels/1280 x 960 pixels/1024 x 768 pixels/ 640 x 480 pixels)
LCD monitor on, viewfinder off	: Approx. 4.8 W	Moving image	: 1 mode (160 x 120 pixels)
Dimensions (W x H x D)	: 74.5 mm x 91 mm x 185 mm (2-15/16" x 3-5/8" x 7-5/16") (with the LCD monitor closed and the viewfinder pushed back in)	Picture quality	: 2 modes (FINE/STANDARD)
Weight	: Approx. 610 g (1.4 lbs) (GR-DV900/800) Approx. 575 g (1.3 lbs) (GR-DV500) (without cassette, memory card and battery) Approx. 750 g (1.7 lbs) (GR-DV900/800) Approx. 715 g (1.6 lbs) (GR-DV500) (incl. cassette, memory card and battery)	Approximate number of storable images	: ≈ pg. 39
Operating temperature	: 0°C to 40°C (32°F to 104°F)	For Connectors	
Operating humidity	: 35% to 80%	S-Video input	: Y: 0.8 V to 1.2 V (p-p), 75 Ω analog C: 0.2 V to 0.4 V (p-p), 75 Ω analog
Storage temperature	: -20°C to 50°C (-4°F to 122°F)	S-Video output	: Y: 1.0 V (p-p), 75 Ω analog C: 0.29 V (p-p), 75 Ω analog
Pickup	: 1/4" CCD	AV	
Lens	: F 1.2, f = 3.8 mm to 38 mm, 10:1 power zoom lens (GR-DV900) F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (GR-DV800/500)	Video input	: Y: 0.8 V to 1.2 V (p-p), 75 Ω analog
Filter diameter	: ø52 mm	Video output	: Y: 1.0 V (p-p), 75 Ω analog
LCD monitor	: 3.5" diagonally measured, LCD panel/TFT active matrix system (GR-DV900/800) 2.5" diagonally measured, LCD panel/TFT active matrix system (GR-DV500)	Audio input	: 300 mV (rms), 50 kΩ analog, stereo
Viewfinder	: Electronic viewfinder with 0.24" color LCD	Audio output	: 300 mV (rms), 1 kΩ analog, stereo
Speaker	: Monaural	EDIT	: 300 mV (rms), 2-pole
For Digital Video Camera		Headphone output	: Stereo
Format	: DV format (SD mode)	DV	
Signal format	: NTSC standard	Input/output	: 4-pin, IEEE 1394 compliant
Recording/Playback format	: Video : Digital component recording Audio : PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)	USB	: 5-pin
Cassette	: Mini DV cassette		
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s		
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.		
		AC Adapter	
		For General	
		Power requirement	
		U.S.A. and Canada	: AC 120 V~, 60 Hz
		Other countries	: AC 110 V to 240 V~, 50 Hz/60 Hz
		Output	: DC 11 V  , 1 A

Specifications shown are for SP mode unless otherwise indicated.
E & O.E. Design and specifications subject to change without notice.

GR-DV500US M3D4S3
GR-DV800US M3D4L3
GR-DV801US M3D4L3
GR-DV900US M3D4L7

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DIFFERENT LIST

DIFFERENT TABLE OF FEATURE

The following table indicate main different points between models GR-DV4000US, GR-DV500US, GR-DV800US, GR-DV801US and GR-DV900US.

ITEM \ MODEL	GR-DV4000US	GR-DV500US	GR-DV800US	GR-DV801US	GR-DV900US
LENS SPECIFICATION	F1.2-2.0	F1.8-2.4	←	←	F1.2-2.0
LCD MONITOR	3.5 INCH	2.5 INCH	3.5 INCH	←	←
INFO. LCD	USED	NOT USED	←	←	←
MANUAL FOCUS RING	USED	NOT USED	←	←	←
VIDEO FLASH	USED	NOT USED	←	←	←
INTERFACE SHOOTING	USED	NOT USED	←	←	←
EXPOSURE CONTROL	USED	NOT USED	←	←	←
R.A EDITING	USED	OPTION RCU	←	USED	←
AC ADAPTER	NOT USED	AP-V13U or AP-V11U	←	←	←
AC ADAPTER CHARGER	AA-V40U	NOT USED	←	←	←
DC CABLE	USED	NOT USED	←	←	←
REMOTE CONTROL	RM-V717U	RM-V718U	←	RM-V717U	←
RCU BATTERY	UM4 x2	CR2025	←	UM4 x2	←
LENS HOOD	USED	NOT USED	←	←	←
EDITING CABLE	USED	NOT USED	←	USED	←
MEMORY CARD (PROVIDED)	SD 8MB	MMC 8MB	←	←	←

Notes: Mark ← is same as left.



JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.

www.jvcservice.com(US Only)

JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7

(416)293-1311

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